

## REPP MECHANICAL ENGINEERING CURRICULUM GRID

Student Name \_\_\_\_\_

SID \_\_\_\_\_

Date Started \_\_\_\_\_

Advisor \_\_\_\_\_

FRESHMEN YEAR			
AREA	FALL SEMESTER COURSES	CREDIT HOURS	COURSES TAKEN
Institution	TIGR 1000 Freshman Year Experience I	1	
A	ENGL 1101 English Composition I	3	
A	MATH 1113 Pre-Calculus ( <i>Prerequisite MATH 1111 or a minimum score of 500 on the SAT or 19 on the ACT</i> )	3	
MAJOR	ENGR 1101 Introduction to Engineering	1	
Institution	HEDU 1101 Concepts of Healthful Living	2	
F	CHEM 1211 Principles of Chemistry I ( <i>Prerequisite CHEM 1115 OR 30 In Chemistry Assessment Test</i> )	3	
F	CHEM 1211L Principles of Chemistry I Lab	1	
	<b>TOTAL HOURS</b>	<b>14</b>	
AREA	SPRING SEMESTER COURSES	CREDIT HOURS	COURSES TAKEN
A	ENGL 1102 English Composition II ( <i>Prerequisite ENGL 1101</i> )	3	
F	CHEM 1212 Principles of Chemistry II ( <i>Prerequisite CHEM 1211</i> )	3	
F	CHEM 1212L Principles of Chemistry II Lab ( <i>Prerequisite CHEM 1211L</i> )	1	
A	MATH 2101 Calculus I ( <i>Prerequisite MATH 1113</i> )	4	
Institution	TIGR 1001 Freshman Year Experience II	1	
MAJOR	ENGR 2770 Engineering Graphics ( <i>Prerequisite MATH 1113</i> )	3	
E	POLS 1101 American Government	3	
	<b>TOTAL HOURS</b>	<b>18</b>	
SOPHOMORE YEAR			
AREA	FALL SEMESTER COURSES	CREDIT HOURS	COURSES TAKEN
F	MATH 2111 Calculus II ( <i>Prerequisite MATH 2101</i> )	4	
F	CSCI 1371 Computing for Engineers and Scientists ( <i>Prerequisite MATH 1113</i> )	3	
D	PHYS 2211K Principles of Physics I ( <i>Prerequisite MATH 2101</i> )	4	
MAJOR	ENGR 2001 Principles of Engineering Materials ( <i>Prerequisites CHEM 1211 &amp; CHEM 1211L</i> )	3	
C	PHIL 2030 Introduction to Ethics	3	
	<b>TOTAL HOURS</b>	<b>17</b>	
AREA	SPRING SEMESTER COURSES	CREDIT HOURS	COURSES TAKEN
F	MATH 2121 Calculus III ( <i>Prerequisite MATH 2111</i> )	4	
MAJOR	ENGR 2201 Statics for Engineers ( <i>Prerequisites MATH 2111 and PHYS 2211K</i> )	3	
D	PHYS 2212K Principles of Physics II ( <i>Prerequisite PHYS 2211K</i> )	4	
MAJOR	ENGR 2016 Computing Techniques ( <i>Prerequisite CSCI 1371</i> )	3	
F	MATH 3101 Linear Algebra ( <i>Prerequisite MATH 2111</i> )	3	
	<b>TOTAL HOURS</b>	<b>17</b>	

JUNIOR YEAR			
AREA	FALL SEMESTER COURSES	CREDIT HOURS	COURSES TAKEN
F	MATH 3301 Differential Equations ( <i>Prerequisite MATH 2111</i> )	4	
MAJOR	ENGR 2110 Creative Decisions and Design ( <i>Prerequisites ENGR 2770 &amp; CSCI 1371</i> )	3	
MAJOR	ENGR 2202 Dynamics of Rigid Bodies ( <i>Prerequisites ENGR 2201 &amp; CSCI 1371</i> )	3	
B	HUMN 1201 Critical Thinking & Communications	3	
Institution	HEDU	1	
E	HIST 2111 OR 2112 US History	3	
	<b>TOTAL HOURS</b>	<b>17</b>	
AREA	SPRING SEMESTER COURSES	CREDIT HOURS	COURSES TAKEN
MAJOR	ENGR 3322 Engineering Thermodynamics ( <i>Prerequisites PHYS 2212K, CSCI 1371 &amp; MATH 3301</i> )	3	
F	MATH 3602 Linear and Discrete Mathematics ( <i>Prerequisite MATH 2111</i> )	4	
E	POLS 2401 Global Issues	3	
C	HUMN 2011 or ARTS 1101 or MUSC 1101 or THEA 2101 or ENGL 2521	3	
B	AFRS 1501 African American History	2	
E	ECON 2105 Principles of Micro-Economics	3	
	<b>TOTAL HOURS</b>	<b>18</b>	
	<b>Total to Graduate</b>	<b>101</b>	

CORE CURRICULUM AREAS (A-E)

45

Area F COURSES APPROPRIATE TO THE PROGRAM OF STUDY

30

Major

22

INSTITUTIONAL REQUIREMENTS

3

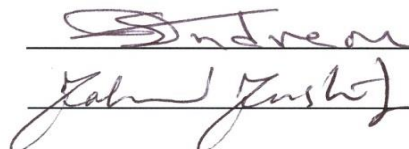
TOTAL HOURS

100 HOURS

**STUDENT AGREEMENT**

I agree to follow the above schedule.

Student Signature




Approved By: Program Coordinator

Program Coordinator

Approved By:

Department Chair



PREPARED BY:  
Dr. Spyros Andreou, PE  
Regents Engineering Pathways Program  
Coordinator  
Approved: September 2017  
Modified: 9/1/2017

Date: 9/1/2017

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